

5/5/2

DIALOG(R)File 347:JAPIO

(c) JPO & JAPIO. All rts. reserv.

04321883

NAVIGATION DEVICE

PUB. NO.: 05-313583 [JP 5313583 A]  
PUBLISHED: November 26, 1993 (19931126)  
INVENTOR(s): MURAKAMI SHINICHI  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company  
or Corporation), JP (Japan)  
APPL. NO.: 04-121622 [JP 92121622]  
FILED: May 14, 1992 (19920514)  
INTL CLASS: [5] G09B-029/10; G01C-021/00; G01S-005/14  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 26.2  
(TRANSPORTATION -- Motor Vehicles); 44.9 (COMMUNICATION --  
Other); 46.1 (INSTRUMENTATION -- Measurement)  
JOURNAL: Section: P, Section No. 1703, Vol. 18, No. 129, Pg. 52, March  
03, 1994 (19940303)

#### ABSTRACT

PURPOSE: To arrive at a target place smoothly and to reduce the required time drastically by inputting the address of these target places when plural target places are present and in which order a user should pass through the respective target places to obtain the shortest passage course is not clear and making the shortest passage course accurate even when no map exists.

CONSTITUTION: By a target place course operation part 6, operation on the map is executed for finding a suitable order to the target places for passing through the shortest course from the positional information of a user positioned by a GPS device 1 and plural positional information converted in an address data storage part 4 by calling out the condition of a road from a map data part 5 and a distance to the target place and a azimuth in the present time are measured. By a positional information display part 7, the positional information of the present position positioned by a GPS device 1, the shortest course calculated by the target course operation part 6 and the distance and the azimuth to a first target place in the present time, are displayed.